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EIGHTH ANNUAL REPORT

OF THE

North Carolina Sanatorium for the Treatment of Tuberculosis

UNDER CONTROL OF STATE BOARD OF HEALTH

SANATORIUM, N. C.

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RALEIGH, N. C.
EDWARDS & BROUGHTON PRINTING COMPANY
STATE PRINTERS
1923

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NORTH CAROLINA SANATORIUM

FOR THE TREATMENT OF TUBERCULOSIS

Under Control of the State Board of Health

PERSONNEL

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DR. W. S. RANKIN, Secretary State Board of Health and
State Health Officer, Raleigh, N. C.

Superintendent.....	L. B. McBRAYER, M.D., F.A.C.P.
Assistant Superintendent.....	P. P. McCAIN, A.B., M.D.
Clinician and Director Laboratory.....	R. McBRAYER, A.B., M.D.
Assistant Physician.....	S. M. BITTINGER, M.D.
Private Secretary to Superintendent.....	A. W. SNOW
Head Nurse.....	MISS ELIZABETH CONNOLLY
Head Nurse, Assistant.....	MISS GRACE APPLE
Cashier.....	J. M. CLARK

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM

FOR THE TREATMENT OF TUBERCULOSIS

DIVISION OF TUBERCULOSIS, STATE BOARD OF HEALTH

Chief of Division.....	L. B. McBRAYER, M.D., F.A.C.P.
Assistant Chief of Bureau.....	P. P. McCAIN, A.B., M.D.
Office Secretary.....	A. W. SNOW
Stenographer, Chief.....	MRS. H. O. SINK
Stenographer.....	MISS GRADY INGLE
Stenographer.....	MISS MARY SNEAD
Stenographer.....	MISS SIBYL BRABBLE
Stenographer and X-ray Technician.....	MRS. J. L. SPRUILL
Clerk.....	H. O. SINK
Clerk.....	LEAMON REDD
Director Health Education Among the Negroes.....	MRS. F. C. WILLIAMS

CONSULTING STAFF

<i>Surgery</i>	}	DR. GEO. W. PRESSLY.....Charlotte
		DR. J. F. HIGHSMITH.....Fayetteville
<i>Eye, ear, nose and throat</i>	}	DR. JAS. M. LILLY.....Fayetteville
		DR. M. LER. SMOOT.....Fayetteville
		DR. WM. S. JORDAN.....Fayetteville
<i>Genito-urinary</i>	}	DR. A. J. CROWELL.....Charlotte
		DR. J. D. HIGHSMITH.....Fayetteville
<i>Pathology</i>	}	DR. JAS. B. BULLITT.....Chapel Hill
<i>Pharmacology</i>		DR. WM. DEB. MACNIDER.....Chapel Hill

NORTH CAROLINA TUBERCULOSIS ASSOCIATION, INC.

DIRECTORS

MRS. GORDON FINGER, *President*
Charlotte, N. C.

MRS. CHARLES R. WHITAKER, *Vice-President*
Hendersonville, N. C.

DR. L. B. McBRAYER, *Managing Director*
Sanatorium, N. C.

DR. OTHO ROSS
Charlotte, N. C.

MRS. CUTHBERT MARTIN
Wilmington, N. C.

MRS. W. N. HUTT
Southern Pines, N. C.

MRS. T. D. JONES
Durham, N. C.

DR. C. L. MINOR
Asheville, N. C.

MR. R. B. WILSON
Raleigh, N. C.

DR. R. L. CARLTON
Winston-Salem, N. C.

DR. J. DONNOLLY
Charlotte, N. C.

MRS. C. C. HOOK
Charlotte, N. C.

DR. W. L. DUNN
Asheville, N. C.

COL. J. L. LUDLOW
Winston-Salem, N. C.

MRS. MARK QUINNERLY
Greenville, N. C.

MRS. S. H. BROWN
Oxford, N. C.

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Arden, N. C.

MR. HAMILTON C. JONES
Charlotte, N. C.

MRS. R. C. WARREN
Gastonia, N. C.

MRS. HOWARD RONDTHALER
Winston-Salem, N. C.

MRS. C. J. TINSLEY
Greensboro, N. C.

MRS. MAX T. PAYNE
Greensboro, N. C.

MRS. M. E. ROBINSON
Goldsboro, N. C.

A. W. SNOW, *Assistant Director*

J. L. SPRUILL, M.D., *Clinic Physician*

DR. E. T. RANSOM, *Moving Picture Exhibitor and Health Lecturer*

LETTER OF TRANSMITTAL

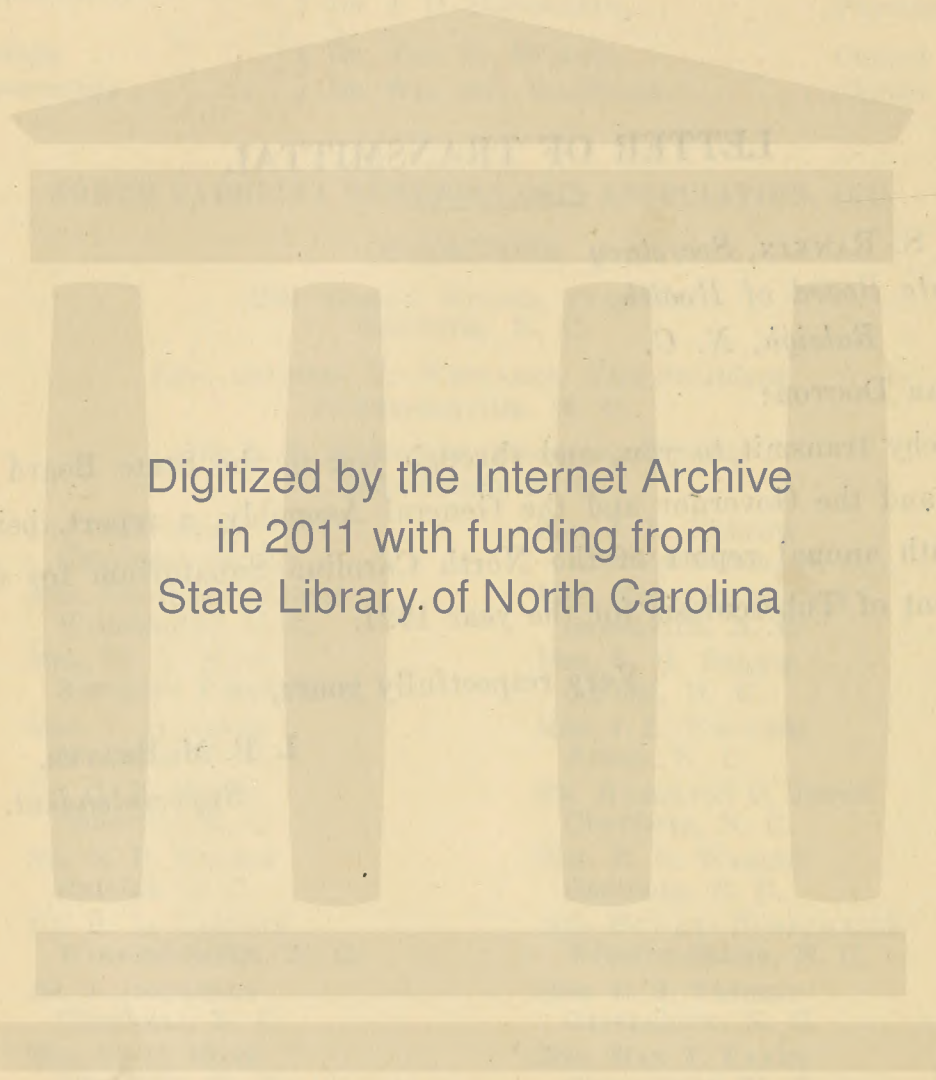
Dr. W. S. RANKIN, *Secretary*
State Board of Health,
Raleigh, N. C.

MY DEAR DOCTOR:

I hereby transmit to you, and through you to the State Board of Health and the Governor and the General Assembly, a report, being the eighth annual report of the North Carolina Sanatorium for the Treatment of Tuberculosis for the year 1921.

Very respectfully yours,

L. B. McBRAYER,
Superintendent.



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EIGHTH ANNUAL REPORT
OF
THE NORTH CAROLINA SANATORIUM FOR THE
TREATMENT OF TUBERCULOSIS
UNDER CONTROL OF
THE STATE BOARD OF HEALTH
SANATORIUM, N. C.

We feel more encouraged with the work at this time than at any time in the history of the eight years of our connection with the Sanatorium.

NEW BUILDING

The building known as the main building and infirmary has been completed and we moved into it during October. This not only gives us additional room for patients, but also gives us the proper offices in which to do our medical work. The building is the equal of any sanatorium building anywhere and is better than most. It has every convenience that will make the patients' stay here more pleasant and beneficial as it relates to the patients' quarters, and that will enable the medical and nursing staffs to give the patients the proper attention.

LABORATORY

For the first time since the Sanatorium has been opened we have sufficient facilities for bacteriologic, serologic, pathologic and chemical laboratories. This has been greatly enlarged and improved under the direction of Dr. R. McBrayer, both in the scope of the work and in the efficiency of the work, since we have gotten into the new building. The laboratory work at this time is the equal of that done in any sanatorium—barring only a few that could be counted on the fingers of one hand—to the great benefit of the patients.

X-RAY LABORATORY

The laboratory floor of the new building also gives us sufficient space for the X-ray laboratory, and when we moved in our equipment was brought up to date by the expenditure of some \$1,800, and our thanks are due the North Carolina Tuberculosis Association for this,

as well as the original installation of the X-ray laboratory. The X-ray has become more and more useful in the diagnosis and treatment of tuberculosis, particularly over the period of the last four years, due to constant study of this subject by physicians, and we are making continual use of the X-ray both in the diagnosis and treatment of patients.

MEDICAL SERVICE

Our medical service has been improved, the additional facilities for work being a greater incentive as well as opportunity to find out, first, whether or not the patient has tuberculosis, and, second, to find out about any and every other disease that is affecting and interfering with his getting well of tuberculosis. The staff has accepted the opportunities and worked energetically and enthusiastically for long hours every day, much to the benefit of the patients who come here. A case in point:

A young man was sent here for treatment by a physician who had made a diagnosis of tuberculosis. The patient was emaciated, with a sallow complexion, and at first glance looked a typical case of tuberculosis. On examination it was found that he didn't have tuberculosis at all. We felt it our duty to find out what he did have. The bowel contents were examined in the laboratory, as is done in all cases who come here, and a negative report made. An examination of the blood was done in the laboratory and this examination indicated an intestinal parasite. The intestinal contents were examined repeatedly with a negative report. A sample was sent to the State Laboratory of Hygiene and a negative report returned. Many other examinations were conducted—all negative. The blood picture continued the same. After the administration of certain medicines an examination of the intestinal contents revealed the fact that the patient had hookworm, which was properly treated and he has been restored as a useful citizen, when otherwise he would have been a total economic loss and total expense to the State and the community in which he lived, until the day of his death.

CO-OPERATION OF THE PATIENTS

It is very obvious that the patients enter more into the spirit of the work—the end to which everything drives being getting the patients well—than ever before in the history of the institution. This is greatly to be desired and enables us to do much more for them than formerly.

FOOD

With the decline in prices of foodstuffs we have been able to serve a greater variety of food, prepared in a greater variety of ways than heretofore, and we are having a great deal less complaint in regard to the food than we have had in the past. In fact, it is very seldom that we have a complaint.

DAIRY

The dairy continues to furnish us an ample supply of as good milk as is produced in the State or in the South. Great care is taken in its production and in the handling of it. It is served to the patients in

individual half-pint bottles. We are endeavoring to build up the dairy to a point where it will continue to furnish all the milk needed as our capacity is increased, and we hope when the division for negroes is opened we will be able to furnish sufficient milk to supply that also. During the last year we have put up an additional silo which will probably take care of our needs in this line for several years to come. We did not have sufficient funds left to build the cow barn unit, so instead we put up ten maternity pens and six calf pens. These have concrete floors, but the remainder is of very cheap construction, consisting of rough wood with shed roof covered with rubberoid roofing. We will need an additional dairy barn unit next year. We have several very fine Jerseys producing 10,000 pounds of milk and above per year and one of these cows averaged $6\frac{1}{4}\%$ butter fat last year for the entire year and has this official record with the American Jersey Cattle Club. We have five or six heifer calves out of these cows at this time and hope in the course of a few years to have a herd of this kind of cattle without any additional expense.

HOGS

Three years ago we purchased three Berkshire hogs at the Southern Berkshire Congress at Pinehurst. From these, without additional expense, we have developed a very fine herd of Berkshire hogs. A year ago we leased our boar to Mr. Leonard Tufts in exchange for one from him. Mr. Tufts exhibited this boar at the State Fair and he took the Grand Champion Prize. We supply the table with all the pork that is needed.

FARM

The farm has been greatly improved in the last two years. Some additional land has been put in cultivation. We have been able to supply the table with a large amount of fresh vegetables, supply the dairy with all the ensilage needed and make sufficient feed to take care of the mules. The farm has also done some construction work, particularly the laying of a water line from the present Sanatorium to the site for the negro division—the first half of the line at a cost 50% less than the lowest bid and the last half at 75% lower than the lowest bid.

GROUNDS AND PARKS

We never had an appropriation for roads, walkways, grounds and parks. This is very greatly needed. All the roads and walkways that we have were built by the farm force. During the last year the farm force did considerable work on the grounds and we were able to get several acres around the buildings cultivated sufficiently to put in rye. We need very badly a liberal appropriation for the improvement

of the grounds, parks and roadways. The location of the Sanatorium is very beautiful indeed, both in the immediate and remote outlook. The grounds and parks around the buildings, consisting of some forty to seventy-five acres, lend themselves wonderfully well to beautifying, and it isn't fair to the patients for them to remain in their present unkempt state. A liberal appropriation is respectfully requested.

SUNDAY SCHOOL SERVICES

These services continue to be a source of much pleasure and profit to both the patients and the staffs. Sunday school has been better attended by the patients during the last year than ever before. It is run by the patients. As a rule the officers are supplied from among themselves and oftentimes the teachers. The various staffs of the Sanatorium give any help needed, and usually attendance among these is very good. Occasionally visitors to the institution or to some of the residents teach the Sunday school lesson. For several years Miss Grace MacKinnon of Bennettsville, South Carolina, a graduate nurse who is interested in the work of the Sanatorium, has been sending the Sunday school a check for five dollars each quarter, which amount practically supplies the Sunday school with the literature needed. This liberal contribution is very much appreciated.

OTHER RELIGIOUS SERVICES

The ministers of the various denominations near the Sanatorium have been very kind during the last year and we have averaged about two to three services a month, usually on an afternoon of a week day. Our thanks are especially due to the following ministers: Mr. Keller and Mr. McWhorter of Aberdeen and Mr. Alexander of Raeford.

ENTERTAINMENTS

The good ladies of Pinehurst and Southern Pines have for some time taken an interest in the social welfare of the institution and have on different occasions provided us with many delightful forms of entertainment. On one occasion Mr. Edgar Guest, while on a visit to Pinehurst, came over and gave us a reading from his works. Miss Annie Oakley (Mrs. Butler) has not only given us exhibitions of her wonderful marksmanship, but has also contributed liberally to the pleasure of the patients in many other ways. The patients themselves occasionally get up an entertainment and these are always greatly enjoyed.

The Woman's Club at this place has taken a great deal of interest in furnishing entertainment for the patients and has given many general entertainments, such as seeing that the holidays are properly observed. As an example, a hen's nest was found on each patient's table at breakfast on Easter morning, filled with various colored Easter eggs. These entertainments have given much pleasure to the patients and to the different staffs as well.

DONATIONS

The people throughout the State continue to show a personal interest in the Sanatorium and the patients who come here. As evidence we can say that no patient has ever had to leave the Sanatorium for lack of clothing or funds, if the reason for leaving was made known. When such matters have been brought to the attention of various and sundry clubs and people throughout the State, these things have been provided. As concrete examples: the State Federation of Women's Clubs have been supporting a bed here in memory of Mrs. Cordie D. McBrayer; the United Daughters of the Confederacy have also been supporting a bed here.

In addition to this the following have made donations, together with many others whose names we were not always able to secure:

Henderson County Tuberculosis Association (furnishing of one room).
Federal Board for Vocational Education (books).

All Souls Church, New York City (Mrs. F. C. Brush, Chairman, Cheerful Letter Committee).

Metropolitan Church Association, Waukesha, Wisconsin.

The Would-be-Wise Club, Fayetteville, N. C.

Miss Annie Oakley (Mrs. Butler), Pinehurst, N. C.

Miss Grace MacKinnon, Bennettsville, S. C.

Mrs. M. E. Baxter, Seattle, Washington.

Miss Rebe Hill Shields, Scotland Neck N. C.

Miss Georgie Hicks, Faison, N. C.

Dr. Cyrus Thompson, Jacksonville, N. C.

Mr. J. E. Blaisdell, Southern Pines, N. C.

Mr. E. E. Bickford, Southern Pines, N. C.

Mrs. Shopwell, Williamsport, Pennsylvania.

Mrs. G. R. Wittle, Southern Pines, N. C.

United Daughters of the Confederacy, Leaksville, N. C. (\$5.00).

SANATORIUM CLINIC

This clinic continues to be of great service to the medical profession and people of the State. Of course, it takes a good deal of the time of the medical staff, but we consider it time well spent and we feel that it is furnishing to the profession and the people a very valuable and much needed thing. We are assured in various ways at various times that this clinic has the hearty approval, as well as support, of the medical profession of the State.

EXTENSION WORK AMONG THE NEGROES

This is perhaps the largest and best piece of health work that has ever been done among the negro population of our State, or any state, and is showing splendid results. We believe that the negroes are more

than ready to use the negro division of the Sanatorium, which will be ready to open when an appropriation is made for its maintenance. The statistical data on this work is found in the statistical section of the report.

DECLINE IN DEATH RATE—A WINNING FIGHT

It is a great pleasure to note that in the eight years that the State Board of Health has been conducting the Sanatorium and in the seven years that appropriations have been made to the Extension Department, which is the Division of Tuberculosis of the State Board of Health, that the actual number of deaths in the State has been reduced 50% in round numbers, the deaths for 1913 being given at 4,800 and for 1921, 2,546. This means that there were 2,300 people alive at the end of 1921 that would have died during that year, had the same number of deaths taken place from tuberculosis as did in 1913. This is indeed great cause for encouragement. However, tuberculosis continues to be a greater economic loss to the people of the State than all other preventable diseases put together, and the accomplishments thus far should only serve to encourage the people of the State, as well as those engaged in tuberculosis work, to greater effort.

THE NORTH CAROLINA TUBERCULOSIS ASSOCIATION

We wish to express our appreciation for the hearty and close coöperation of the North Carolina Tuberculosis Association in the State-wide campaign against tuberculosis. Without the aid of this Association and without the money it has spent, the accomplishments could not have been so great. The funds of the Association are raised each year by the sale of Tuberculosis Christmas Seals at Christmas time.

AS OTHERS SEE US

The medical profession and the people in this and other states show continued appreciation of the character and amount of work being done here, but perhaps the greatest compliment that we have had was the following: The Medical Director of the Bureau of War Risk Insurance (now the United States Veterans' Bureau) requested the National Tuberculosis Association and the American Sanatorium Association to appoint a joint committee to consider and report on rules of discipline and treatment for War Risk Insurance beneficiaries. Doctors G. Walter Holden, Denver, Colorado; Henry D. Chadwick, Westfield, Massachusetts; Walter J. Marclay, Minneapolis, Minnesota; David R. Lyman, Wallingford, Connecticut; and Martin F. Sloan, Baltimore,

Maryland, composed the committee. In the report of this committee, October 1, 1921, which was approved by Dr. James Alexander Miller, President of the National Tuberculosis Association, and Dr. Lawrason Brown, President of the American Sanatorium Association, the following statement was made:

“Take sanatoriums handling principally ‘State’ patients, such as Gaylord Farm, Maryland State, *North Carolina State*, Massachusetts State, Agnes Memorial, Eudowood and numerous others where the authority of discharge is vested in the superintendent, and you will find that order and discipline are maintained and that the sanatorium results obtained are among the best in the country. Their methods have produced excellent results and civilians are glad to have the benefit of treatment in these sanatoriums.”

SUMMARY OF YEAR'S WORK

OF THE NORTH CAROLINA SANATORIUM (INCLUDING THE EXTENSION DEPARTMENT), 1921

Letters and postals received	25,365
Letters Written:	
Individual	16,646
Multigraphed	50,726
Total	67,372
Articles Written (Approx. No. Words):	
Newspaper	22,350
Bulletin	47,160
Other Publications	3,700
Articles copied	293,305
Total	360,515
Forms and Placards prepared	170
Total Number of copies of Forms and Placards	137,624
Blank Cards Mailed for Reporting Cases of Tuberculosis.....	4,082
Number Cases Reported:	
White	1,433
Colored	1,090
Total	2,523
Literature:	
Pieces Sent to Reported Cases.....	6,531
Other Literature Sent out.....	32,969
Total	39,500
Samples of Crusade Literature Sent	668
Crusade Literature Sent to Pupils	66,002
Sputum Cups Distributed	142,120
Tuberculin Sent Physicians for Von Pirquet Diagnostic Test.....	226
Blanks for Reporting Results of Von Pirquet Diagnostic Test	226
Patients' Histories Written (484). Approx. No. Words.....	400,400
Cards and Envelopes Addressed	116,964
Enclosures Sent	32,588
Total Number Reached by Mrs. F. C. Williams and Supervisors in Addresses on Health and Sanitation	224,089
Total Number Reached by Dr. E. T. Ransom by Health Moving	
Pictures and Lectures.....	79,900
Number of Lanterns and Slides Loaned	19
Number of Illustrated Lectures	86
Number Present at Illustrated Lectures	33,270
DR. L. B. McBRAYER:	
Addresses delivered	23
Total audience	2,505
Conferences attended	365
Consultations	370
Days out of office	55

DR. P. P. McCAIN:

Addresses delivered	6
Total audience	600
Conferences attended	6
Consultations	0
Days out of office	40

DR. R. McBRAYER:

Addresses delivered	4
Total audience	400
Conferences attended	53
Consultations	10
Days out of office	27

DR. J. L. SPRULL:

County clinics held	22
Addresses delivered	74
Total audience	11,110
Number positive cases	465
Number suspicious cases	172
Number negative cases	1,487
Total number of examinations	2,124
Days out of office	168

Number of school children examined. Inspection, Von Pirquet, etc).... 178

MEDICAL REPORT

STATISTICAL

Number patients to be reported on.....	311
Number patients not tuberculous.....	30
Number patients not classified.....	7
Number patients in Sanatorium December 1, 1921.....	114
Number patients treated during year.....	462

40 PATIENTS WHO STAYED LESS THAN 30 DAYS.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient..... 3	0	0	0	3	0	0
Moderately advanced...12	0	0	0	11	1	0
Far advanced.....25	0	0	0	10	9	6
Acute tuberculosis..... 0	0	0	0	0	0	0

Average stay, 18.3 days. Longest stay, 29 days. Shortest stay, 4 days.

Number gained weight, 23.

Average gain.....	3.2 Lbs.
Largest gain.....	29.0 Lbs.
Smallest gain.....	.5 Lb.
Stationary.....	0

Number lost weight, 6.

Average loss.....	3.4 Lbs.
Largest loss.....	9.5 Lbs.
Smallest loss.....	.5 Lb.
Not weighed.....	11

93 PATIENTS WHO STAYED FROM 30 TO 89 DAYS.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....27	0	1	13	13	0	0
Moderately advanced...21	0	0	5	15	1	0
Far advanced.....44	0	0	3	12	25	4
Acute tuberculosis..... 1	0	0	0	0	1	0

Average stay, 59.7 days. Longest stay, 89 days. Shortest stay, 30 days.

Number gained weight, 64.

Average gain.....	8.8 Lbs.
Largest gain.....	26.0 Lbs.
Smallest gain.....	.75 Lb.
Stationary.....	4

Number lost weight, 20.

Average loss.....	4.9 Lbs.
Largest loss.....	15.0 Lbs.
Smallest loss.....	.25 Lb.
Not weighed.....	5

178 PATIENTS WHO STAYED 90 DAYS OR MORE.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....43	3	23	16	0	1	0
Moderately advanced....80	0	11	41	20	7	1
Far advanced.....55	0	0	10	21	14	10
Acute tuberculosis..... 0	0	0	0	0	0	0

Average stay, 183.4 days.

Longest stay, 647 days.

Shortest stay, 90 days.

Number gained weight, 144.

Number lost weight, 27.

Average gain.....	14 0 Lbs.	Average loss.....	7.7 Lbs.
Largest gain.....	55.5 Lbs.	Largest loss.....	39.5 Lbs.
Smallest gain.....	1.0 Lb.	Smallest loss.....	0.25 Lb.
Stationary.....	3	Not weighed.....	4

RESULTS OF SPUTUM EXAMINATIONS

Negative or no sputum.....	127
Positive—	
On admission.....	172
During residence.....	155
On discharge.....	139
Total.....	593

HISTORY OF HEMORRHAGE

Negative.....	195
Positive—	
Previous only.....	93
Previous and during residence.....	17
During residence only.....	6

311

SEX	AGE						CIVIL CONDITION		
	-19	20-29	30-39	40-49	50-59	60	Single	Married	Widowed
Male.....150	16	56	31	27	13	7	74	68	8
Female.....161	14	62	62	16	5	2	61	90	10
Totals.....311	30	118	93	43	18	9	135	158	18

COMPLICATIONS

Alveolaris	1	Malaria	2
Appendicitis	1	Miscarriage	1
Bronchictasis	1	Meningitis	1
Bronchial asthma	3	Mitral regurgitation	2
Bronchitis	12	Myocarditis	1
Bronchopneumonia	1	Nephritis	8
Cardiac hypertrophy.....	1	Osteitis	1
Choroiditis	1	Otitis media	3
Coxalgia	1	Prolapse kidney	1
Cold abscess on sternum.....	1	Pharyngitis	1
Enteritis	18	Pregnancy	4
Fistula (anal)	4	Pyelitis	1
Gonorrhea	1	Pyorrhoea, adenitis.....	4
Hemorrhoid	1	Pyopneumothorax	2
Hookworm	6	Pleurisy with effusion.....	9
Hypertension	1	Scabies	1
Influenza	3	Septic arthritis	3
Iritis	1	Spinal meningitis	1
Laryngitis	34	Spontaneous pnueumothorax ...	2
Lues	1	Tonsilitis	6
Lung abscess	1		

OCCUPATIONS

Auto Mechanics	2	Bookkeepers	4
Bank Teller	1	Carpenters	2
Clerks in Stores	10	Merchants	7
Coach Builder	1	Nurses	3
Cook	1	Painters	2
Cotton Mill Employees.....	15	Photographers	2
County Superintendent Welfare..	1	Physician	1
Detective	1	Postmaster, Assistant	1
Dressmaker	1	Postmaster, Clerk	1
Editor	1	Railroad Employees	8
Electricians	2	Salesladies	2
Farmers	50	Salesmen	3
Glass Worker	1	Saw-Milling	1
Housekeepers	2	Seamstress	1
Housewives	115	Soldiers	2
Hotel Clerk	1	Stenographer	1
Insurance Agent	1	Students	22
Laborers	2	Tailor	1
Lawyer	1	Teachers	10
Machinists	9	Telegraphers	2
Chauffeur	1	Tobacconists	2
Manager Merchandise Store.....	1	Traveling Salesmen	5
Mason, Brick	1	No Occupation	8

TOWNS FROM WHICH THE PATIENTS CAME

Ahoskie	1	Bakersville	1
Alert	1	Bath	1
Arden	2	Belmont	4
Asheville	2	Benson	1
Atkinson	1	Brinkleyville	2
Aydlett	1	Bentonville	1

Black Creek	2	Hallsboro	1
Bladenboro	1	Hamlet	3
Blount Creek	1	Hamptonville	1
Boomer	1	Hayne	1
Boone	1	Henderson	3
Booneville	1	Hickory	1
Bosley	1	High Point	3
Brevard	1	High Towers	1
Burlington	5	Hillsboro	1
Buxton	1	Hope Mills	2
Calypso	1	Hurdle Mills	1
Cameron	2	Ivanhoe	1
Carpenter	1	Jamestown	2
Cary	1	Jamesville	1
Cerro Gordo	1	Jonesville	1
Chapel Hill	1	Kannapolis	1
Charlotte	12	Kerr	1
Claremont	1	King	1
Clinton	1	Kings Creek	1
Colerain	1	Kinston	3
Como	1	Kittrell	1
Corapeake	1	Laurinburg	1
Concord	1	Lawndale	1
Conover	1	Leaksville	1
Cove City	1	Lenoir	1
Creston	1	Lewiston	2
Currituck	1	Lexington	3
Duke	1	Liberty	2
Dunn	5	Lillington	1
Durham	5	Lincolnton	4
Draper	1	Littleton	3
East Bend	1	Louisburg	1
Edwards	1	Lukens	1
Elizabeth City	1	Lumber Bridge	1
Elizabethtown	1	Lumberton	2
Enfield	2	McDonald	1
Etowah	1	Macclesfield	1
Eufola	3	Magnolia	1
Fairmont	1	Manson	1
Falkland	1	Marshall	1
Farmington	1	Mars Hill	1
Farmville	1	Marshallburg	1
Fayetteville	8	Mayodan	1
Franklin	1	Mebane	2
Fontana	1	Merry Oaks	1
Gastonia	5	Middlesex	1
Gates	1	Mizpah	1
Germantown	1	Mocksville	1
Gibsonville	1	Monroe	2
Glenwood	1	Mooresboro	1
Goldsboro	6	Morhead City	1
Gold Hill	1	Morganton	2
Greensboro	4	Morven	2
Green Mountain	1	Mount Airy	2
Greenville	2	Mount Gilead	1
Grifton	1	Mount Olive	2

Mount Pleasant	1	Scotland Neck	2
Murfreesboro	2	Seven Springs	1
Nashville	1	Sharpsburg	2
Newell	1	Shelby	2
Newton	1	Siloam	1
Norman	1	Smithfield	3
Oakboro	1	Statesville	2
Oriental	1	Steeds	1
Orrum	1	Swepsonville	1
Oxford	2	Stumpy Point	1
Parkton	1	Tabor	1
Pinehurst	1	Tarboro	5
Pinetops	1	Thomasville	1
Pinnacle	1	Timberland	1
Plymouth	2	Trenton	1
Powellsville	1	Troy	1
Princeton	1	Vandemere	1
Prospect Hill	2	Vineland	1
Raeford	1	Wadesboro	1
Raleigh	4	Warren Plains	1
Ramseur	1	Warsaw	1
Randleman	2	Washington	2
Ransomville	1	Waxhaw	1
Raynham	1	Wendell	1
Reidsville	4	Whitakers	1
Rennert	1	Whitnel	1
Rich Square	1	Whitsett	1
Roanoke Rapids	1	Williamston	2
Rockingham	3	Wilmington	1
Rocky Mount	7	Wilson	2
Ronda	1	Wingate	1
Rooks	1	Winston-Salem	3
Rowland	1	Winton	1
Roxobel	1	Yadkinville	1
Sanford	4	Yuma	1
Salisbury	1		

COUNTIES FROM WHICH PATIENTS CAME

Alamance	8	Dare	2
Anson	3	Davidson	4
Ashe	1	Davie	2
Beaufort	5	Duplin	3
Bertie	5	Durham	5
Bladen	2	Edgecombe	7
Buncombe	3	Forsyth	3
Burke	2	Franklin	2
Cabarrus	3	Gaston	9
Caldwell	2	Gates	3
Carteret	3	Granville	2
Caswell	3	Guilford	12
Catawba	4	Halifax	10
Cleveland	5	Harnett	7
Columbus	4	Henderson	1
Craven	1	Hertford	5
Cumberland	10	Hoke	2
Currituck	1	Iredell	5

Johnston	6	Randolph	5
June	80	Richmond	7
Lee	4	Robeson	9
Lenoir	3	Rockingham	3
Lincoln	4	Rowan	2
Macon	1	Sampson	4
Madison	2	Scotland	1
Martin	3	Stanly	1
Mecklenburg	13	Stokes	4
Mitchell	2	Surry	4
Montgomery	3	Swain	1
Moore	3	Transylvania	1
Nash	12	Union	4
New Hanover	1	Vance	3
Northampton	5	Wake	8
Onslow	1	Warren	2
Orange	1	Washington	3
Pamlico	2	Watauga	2
Pasquotank	2	Wayne	10
Pender	2	Wilkes	2
Person	1	Wilson	4
Pitt	5	Yadkin	5

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS AND CONSULTATION

December	33	July	81
January	35	August	105
February	26	September	85
March	49	October	87
April	60	November	50
May	60		
June	80	Total	751

Classification:

Ex-patients Examined	204
Positive Diagnosis	206
Negative Diagnosis	341
	<hr/>
Total	751

SUMMARY MEDICAL REPORT DECEMBER 1, 1920, TO
NOVEMBER 30, 1921

Patients Admitted:

Incipient	70
Moderately Advanced	124
Far Advanced	129
Not Classified	12
Not Tuberculous	13
For Diagnosis	3
	<hr/>
Total	351

Patients Discharged:

Arrested	3
Apparently Arrested	35
Quiescent	88
Improved	105
Died	21
Unimproved	59

Not Classified	6
Not Tuberculous	31
	<hr/>
Total	348
Hospital Days	40,047
Number Patients, December 1, 1920.....	111
Number Patients Admitted.....	351
Number Patients Discharged.....	348
Number Patients, December 1, 1921.....	114
State Appropriation, Maintenance.....	\$85,000
Cost per Patient per day to State.....	\$2.12

STEREOROENTGENOGRAMS

of Chest

Sanatorium Patients	Outside Patients
455	118
	<i>Other Parts of Body</i>
20	—
	<i>Therapy</i>
45	—
<hr/>	<hr/>
Total 520	118

LABORATORY REPORT

Sputum: (Micros.)	1,714
(Chem.)	164
	<hr/>
Total	1,878
Urinalysis: (Micros.)	803
(Chem.)	1,362
(Special Studies)	12
(Phthalein Functional Tests).....	201
	<hr/>
Total	2,378
Blood:	
R. B. C.	86
W. B. C.	105
Dif. W. B. C.....	73
Hemoglobin	66
Color Index	63
Arneth	10
Malaria	18
Wassermanns	112
Sugar	221
Urea	40
Chlorides	23
Culture (State Lab.)	5
Coagulation Determination	208
	<hr/>
Total	1,031
Basal Metabolisms	182
Fractional Ewald Meals	128
Feces	321
Vaginal Smears	77
Pleural Fluid	6
Pollen Protein Reaction	15
Ear Discharge	1
	<hr/>
Total	6,017

PRESENT CONDITION OF ALL INCIPIENT PATIENTS DISCHARGED FROM
THE SANATORIUM PREVIOUS TO JUNE 30, 1921.

Condition on Discharge	Condition November 30, 1921	Year Discharged								Total
		1914	1915	1916	1917	1918	1919	1920	1921	
Arrested 53	Living and working	0	4	6	9	3	5	11	1	39
	Living and not working	0	0	0	3	1	1	4	0	9
	Dead	0	0	0	0	0	0	0	0	0
	Lost	0	1	0	2	0	0	2	0	5
Apparently Arrested 177	Living and working	0	7	25	29	31	13	17	6	128
	Living and not working	1	0	3	3	4	5	7	1	24
	Dead	0	1	2	1	1	3	1	0	9
	Lost	1	2	3	4	3	1	1	1	16
Quiescent 110	Living and working	4	5	11	10	10	11	16	7	74
	Living and not working	0	0	1	1	1	3	11	1	18
	Dead	0	5	2	0	0	2	0	0	9
	Lost	1	0	1	2	2	0	2	1	9
Improved 82	Living and working	0	5	12	11	10	6	9	2	55
	Living and not working	0	0	3	2	0	2	3	2	12
	Dead	0	1	0	1	2	1	0	0	5
	Lost	1	0	2	0	0	4	3	0	10
Unimproved 5	Living and working	0	0	1	1	1	0	0	1	4
	Living and not working	0	0	0	0	0	0	0	0	0
	Dead	0	0	0	1	0	0	0	0	1
	Lost	0	0	0	0	0	0	0	0	0
Total 427	Living and working	4	21	55	60	55	35	53	17	300
	Living and not working	1	0	7	9	6	11	25	4	63
	Dead	0	7	4	3	3	6	1	0	24
	Lost	3	3	6	8	5	5	8	2	40

PRESENT CONDITION OF ALL MODERATELY ADVANCED PATIENTS DISCHARGED
FROM THE SANATORIUM PREVIOUS TO JUNE 30, 1921.

Condition on Discharge	Condition November 30, 1921	Year Discharged								Total
		1914	1915	1916	1917	1918	1919	1920	1921	
Arrested 17	Living and working.....	0	4	7	1	1	1	2	0	16
	Living and not working.....	0	0	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	1	0	0	0	0	1
Apparently Arrested 52	Living and working.....	3	1	5	6	12	5	4	1	37
	Living and not working.....	0	1	0	2	1	0	1	2	7
	Dead.....	1	1	2	0	1	0	0	0	5
	Lost.....	0	0	2	0	1	0	0	0	3
Quiescent 347	Living and working.....	5	10	20	33	28	34	17	7	154
	Living and not working.....	0	5	7	7	8	11	17	6	61
	Dead.....	14	18	36	20	14	8	1	0	111
	Lost.....	2	2	3	3	3	4	4	0	21
Improved 233	Living and working.....	5	7	11	15	9	9	13	5	74
	Living and not working.....	2	1	2	4	9	1	15	7	41
	Dead.....	19	16	20	25	15	4	5	2	106
	Lost.....	0	0	1	3	0	4	4	0	12
Unimproved 53	Living and working.....	0	0	1	0	0	0	1	0	2
	Living and not working.....	0	0	0	0	2	1	5	1	9
	Dead.....	1	6	4	5	8	7	8	2	41
	Lost.....	0	0	1	0	0	0	0	0	1
Total 702	Living and working.....	1	22	44	55	50	49	37	13	283
	Living and not working.....	2	7	9	13	20	13	38	16	118
	Dead.....	35	41	62	50	38	19	14	4	263
	Lost.....	2	2	7	7	4	8	8	0	38

PRESENT CONDITION OF ALL FAR ADVANCED PATIENTS DISCHARGED FROM THE SANATORIUM PREVIOUS TO JUNE 30, 1921.

Condition on Discharged	Condition November 30, 1921	Year Discharged								Total
		1914	1915	1916	1917	1918	1919	1920	1921	
Arrested 0	Living and working.....	0	0	0	0	0	0	0	0	0
	Living and not working.....	0	0	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0	0	0
Apparently Arrested 1	Living and working.....	0	0	0	0	0	1	0	0	1
	Living and not working.....	0	0	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0	0	0
Quiescent 99	Living and working.....	0	4	5	8	5	4	5	2	33
	Living and not working.....	0	1	0	2	2	5	3	3	16
	Dead.....	3	11	10	11	6	5	0	0	46
	Lost.....	0	0	0	0	3	1	0	0	4
Improved 172	Living and working.....	0	3	2	5	6	2	5	0	23
	Living and not working.....	0	0	2	2	1	5	11	5	26
	Dead.....	20	19	18	27	16	13	5	4	122
	Lost.....	0	0	1	0	0	0	0	0	1
Unimproved 167	Living and working.....	0	0	0	1	0	0	1	1	4
	Living and not working.....	0	0	0	1	0	1	4	2	8
	Dead.....	19	17	13	15	32	24	21	11	152
	Lost.....	0	0	0	0	0	2	0	1	3
Total 439	Living and working.....	0	7	7	14	12	6	11	3	60
	Living and not working.....	0	1	2	5	3	11	18	10	50
	Dead.....	42	47	41	53	54	42	26	15	320
	Lost.....	0	0	1	1	3	3	0	1	9

OCCUPATIONAL THERAPY

MISS LULA ROBERSON, Instructor.

Report for year, December 1, 1920, to November 30, 1921

(Work suspended for three months during the summer)

Number pieces pine needle work	182
Number pieces embroidery, crocheting, tatting, etc.....	95
Number pieces bead work	30
Number pieces punch work	18
Number pieces leather work	13
Number pieces reed work	9
Total number pieces work	<u>347</u>

LITERATURE OF THE BUREAU OF TUBERCULOSIS OF THE NORTH CAROLINA STATE BOARD OF HEALTH

- Bulletin No. 61—How to Care for a Tuberculous Patient.
Bulletin No. 70—TUBERCULOSIS: (A. M. A. Bulletin).
Bulletin No. 92—An Act to Prevent the Convicts or Prisoners of North Carolina from Contracting Tuberculosis.
Bulletin No. 117—Tuberculosis: Its Symptoms, Prevention and Cure.
Bulletin No. 129—County Tuberculosis Problem.
Bulletin No. 157—The Problem of the Returned Tuberculous Soldier.
Bulletin No. 1000—If There Is To Be Democratic Equality of Opportunity There Must Be An Equal Opportunity for Health.
Bulletin No. 1001—Murder! (Perfectly Legal.)
Bulletin No. 1002—Carry On.
Bulletin No. 1003—Fundamental Principles of Public Health Nursing.
The Next To Go.
The Story of Four Generations.
Is Your Muffler Working or Your Cut-out Open?
They Are Dead.
Camouflage.
U-Boat.
After the "Flu," What?—"Watch Your Step."
The Incidence and the Importance of Pleurisy in Early Tuberculosis—by Dr. P. P. McCain, Sanatorium, N. C.
A Plea for An Earlier Diagnosis of Pulmonary Tuberculosis by the General Practitioner—by Dr. J. H. Way, Waynesville, N. C.
The Diagnosis of Early Pulmonary Tuberculosis for the General Practitioner—by Dr. S. E. Thompson, Carlsbad, Texas.
A Modern Prophecy—by Dr. Benj. K. Hays, Oxford, N. C.
The Infectiousness of Tuberculosis—by Dr. T. D. Coleman, Augusta, Ga.
Importance of the Whole-time Health Officer and the Whole-time Health Nurse in the Campaign Against Tuberculosis and All Preventable Diseases—by Dr. L. P. McBrayer, Sanatorium, N. C.
Tuberculosis: A Lecture for Teachers.
Tuberculosis Program for North Carolina.
Moving Picture Service.
Health Work Among the Negroes.
Halt! You Are Under Arrest.
The Slate of the General Assembly.

REPORT OF AUDIT

March 30th, 1922.

DR. L. B. McBRAYER, *Superintendent,*
North Carolina Sanatorium,
Sanatorium, N. C.

MY DEAR SIR:

In accordance with your instructions I have examined the books and vouchers of the North Carolina Sanatorium, at Sanatorium, N. C., for a period beginning December 1st, 1920, and ending November 30th, 1921, and respectfully submit the following report as a result of said examination.

The scope of my examination covered the process of verification and test of the clerical accuracy of the books, according to the recorded transactions, supported by approved vouchers.

I submit a Schedule of Inventories, designated in this report as Schedule No. 3, which were furnished me by the clerk, and while not verified by me, are accepted as correct and made a part of this report.

I have prepared various statements as enumerated in the index, all of which are attached hereto and exhibit, in my opinion, a correct view of the financial condition of the Sanatorium at the close of business on November 30th, 1921.

The books are neatly and accurately kept, the bookkeeper is thoroughly competent and always "on the job" and the system of accounting meets the needs of the institution, and I do not see how it could be improved.

Respectfully submitted,

(Signed) J. J. BERNARD,

Certified Public Accountant.

BALANCE SHEET, NOVEMBER 30, 1921

ASSETS AND LIABILITIES

ASSETS

Cash in Drawer	\$	1,583.02
Cash in Page Trust Co.		45,392.69
Cash in Bank of Hoke		9,176.58
Balance due State Appropriation:		
Permanent Improvement	\$	25,573.42
Maintenance		17,500.00
Extension		10,000.00
		53,073.42
Total		53,073.42
Inventories		82,942.62
Fixed Properties		541,351.84
		541,351.84
Total Assets		\$733,520.17

LIABILITIES

Reserve for Depreciation	19,286.38	
Overdraft Extension Fund	197.50	
Outstanding Vouchers Page Trust Co. ..	21,756.13	
Outstanding Vouchers Bank of Hoke ..	597.36	
		41,837.37
Total Liabilities		41,837.37
Net Worth		\$691,682.80

RECEIPTS AND DISBURSEMENTS

RECEIPTS

STATE APPROPRIATIONS

Permanent Improvement Fund	\$162,321.15	
Extension Fund	5,000.00	
Maintenance Fund	67,500.00	
		234,821.15
Total Appropriations		\$234,821.15

SANATORIUM EARNINGS

Board and Treatment of Patients.....	\$ 68,118.81	
X-ray Examinations	1,479.42	
		69,598.23
Total Earnings		\$ 69,598.23

INTERTRADING ACCOUNTS

Transportation and Drayage	\$ 60.81	
Laundry	1,417.06	
Hospital Supplies	1,429.47	
Telegraph and Telephone	108.48	
Provisions	1,292.44	
Farm Sales	1,043.82	
Dairy Sales	42.40	
Sale of Hogs.....	256.70	
Miscellaneous	985.86	
		6,637.04
Total Intertrading Accounts.....		6,637.04
Total Sanatorium Earnings		76,235.27
Total Receipts		\$311,056.42

DISBURSEMENTS

PERMANENT IMPROVEMENTS

	<i>State Fund</i>	<i>Sanatorium Fund</i>	<i>Total</i>
New buildings	\$27,436.90		
Equipment and repair old buildings.....	13,752.71		
Negro sanatorium	5,553.48		
Superintendent's residence	2,260.50		
Finishing new buildings	48,428.89		
Laundry	557.44		
Well	7,922.17		
Sewer	254.76		
Laboratory equipment	755.57		
Cow barn and silo	2,466.25		
Negro quarters	6,253.65		
Total			\$115,642.32

EXTENSION FUND

Salaries	\$ 7,830.70		
Traveling expenses	2,782.42		
Furniture and fixtures	1,748.40		
Books and stationery	1,688.30		
Stamps	930.08		
Miscellaneous	20.10		
Total			15,000.00

MAINTENANCE APPROPRIATION

Salaries:			
Medical	\$ 6,005.30	\$ 37.28	
Executive	3,339.34	315.55	
Nurses and attendants	4,690.27	38.00	
Cooks and servants	10,594.82	19.75	
Total	\$24,629.73	\$ 410.58	25,040.31
Supplies:			
Bedding and linen.....	\$ 2,148.49	\$ 896.70	
Crockery and silver	645.10	510.14	
Drugs and medicine	1,347.37	1,100.46	
Miscellaneous	2,379.94	4,042.34	
Total	\$ 6,520.90	\$ 6,549.64	13,070.54
Provisions:			
Meats	\$ 4,083.29	\$ 8,525.14	
Butter	855.80	1,874.93	
Eggs	1,917.85	5,937.47	
Vegetables and fruits	1,371.14	1,162.36	
Groceries	6,319.99	11,772.85	
Miscellaneous	102.27	
Total	\$14,650.34	\$29,272.75	43,923.09

DISBURSEMENTS—Continued

	State Fund	Sanatorium Fund	Total
Equipment:			
Furniture and fixtures.....	\$ 1,530.56	\$ 377.13	
Instruments	70.43	186.38	
Total	\$ 1,600.99	\$ 563.51	
Office:			
Equipment	\$ 63.09	\$ 157.90	
Stationery and books	19.33	51.33	
Stamps	193.44	43.11	
Miscellaneous	283.05	36.00	
Total	\$ 558.91	\$ 288.34	\$ 847.25
Power and Heat:			
Labor	\$ 1,847.20	\$ 52.00	
Supplies	7,948.63	9,971.64	
Total	\$ 9,795.83	\$10,023.64	19,819.47
Light:			
Labor	\$ 582.55		
Supplies	281.69	\$ 10.20	
Total	\$ 864.24	\$ 10.20	874.44
Water:			
Labor	\$ 537.85		
Equipment	171.44		
Supplies	49.06	\$ 50.82	
Miscellaneous	33.60		
Total	\$ 791.95	\$ 50.82	842.77
Refrigeration:			
Labor	\$ 520.00	\$ 10.41	
Equipment	4.75	15.00	
Supplies	174.26	306.35	
Miscellaneous	171.54		
Total	\$ 870.55	\$ 331.76	1,202.31
Plumbing and sewer:			
Labor	\$ 520.00		
Equipment	21.00		
Supplies84	\$ 4.92	
Total	\$ 541.84	\$ 4.92	546.76
Farms:			
Live stock	\$	\$ 15.65	
Repair to buildings	53.75	44.64	
Machinery and tools	1,653.16	273.46	
Seed and fertilizers	1,178.29	2,620.23	
Feed	640.44	351.38	
Labor	4,006.86	1,473.07	
Miscellaneous	37.49	81.89	
Total	\$ 7,569.99	\$ 4,860.32	12,430.31

DISBURSEMENTS—CONTINUED

	<i>State Fund</i>	<i>Sanatorium Fund</i>	<i>Total</i>
Dairy:			
Repairs to barn and silo.....\$	\$ 10.73	
Live stock	290.55	180.41	
Fixtures	123.39	96.92	
Supplies	245.49	718.13	
Feed	4,717.38	4,403.78	
Labor	1,639.43	106.79	
Miscellaneous		3.00	
Total	\$ 7,016.24	\$ 5,519.76	\$ 12,536.00
Miscellaneous:			
Landscape	\$	\$ 5.80	
Labor	206.50		
Training school	115.20	45.51	
Telegraph and telephone	1,167.22	183.29	
Laundry	2,272.19	2,145.79	
Transfer and delivery	977.95	2,431.81	
Refund B. and T.	825.98	3,956.26	
Freight and express	2,164.84	386.62	
Hog account	424.99	220.42	
X-ray	1,213.62	513.84	
Total	\$ 9,588.49	9,889.34	19,477.83
Total Disbursements			<u>\$283,417.90</u>

GENERAL SUMMARY

Balance December 1st, 1920:			
Cash in drawer	\$ 1,988.12		
" " Page Trust Co.	16,375.14		
" " Bank of Hoke	2,265.70		
Total		\$ 20,628.96	
Outstanding Vouchers, Page Trust Co....	\$ 11,917.41		
" Bank of Hoke	2,551.27		
Total outstanding		14,468.68	
True balance Dec. 1st, 1920....		\$ 6,160.28	
Received from State Appropriations	\$234,821.15		
" " Sanatorium earnings	69,598.23		
" " Intertrading Accounts ...	6,637.04		
Total		311,056.42	
Total to account for			\$317,216.70

DISBURSEMENTS

Permanent improvements	\$115,642.32		
Extension fund	15,000.00		
Maintenance	85,000.00		
Total Appropriation expenditures .		\$215,642.32	
Maintenance from earnings		67,775.58	
Total Disbursements			<u>283,417.90</u>
Balance on hand			\$ 33,798.80

Cash in office	1,583.02	
Cash in Page Trust Co.....	45,392.69	
Cash in Bank of Hoke.....	9,176.58	
Total		\$ 56,152.29
Less outstanding vouchers:		
Page Trust Co.	21,756.13	
Bank of Hoke	597.36	
Total		<u>22,353.49</u>
Balance		<u>\$ 33,798.80</u>

RECONCILIATION OF CASH ACCOUNT

RECEIPTS

<i>1920</i>		
December.....	\$ 7,817.91	
<i>1921</i>		
January.....	10,158.94	
February.....	5,914.04	
March.....	6,784.82	
April.....	5,609.29	
May.....	6,984.30	
June.....	6,054.49	
July.....	5,572.98	
August.....	5,171.18	
September.....	5,827.07	
October.....	5,105.76	
November.....	5,234.49	
Total Receipts		\$ 76,235.27
Cash in Office December 1st, 1920.....		<u>1,988.12</u>
Total		<u>\$ 78,223.39</u>

DEPOSITS BANK OF HOKE

<i>1920</i>		
December.....	\$ 7,753.62	
<i>1921</i>		
January.....	9,848.07	
February.....	6,375.66	
March.....	5,754.46	
April.....	6,861.55	
May.....	6,887.28	
June.....	5,743.76	
July.....	5,914.05	
August.....	5,734.83	
September.....	5,038.52	
October.....	4,482.78	
November.....	6,245.79	
Total Deposits Bank of Hoke		<u>76,640.37</u>
Balance in drawer Dec. 1, 1921.....		<u>\$ 1,583.02</u>

FIXED PROPERTIES

Real Estate:		
Hospital Grounds	\$ 20,000.00	
Farms	34,750.00	
Total		\$ 54,750.00
Buildings:		
Administration	\$ 6,100.00	
Negro Sanatorium	5,553.48	

Nurses' Home	\$ 10,200.00	
Superintendent's Residence	7,150.00	
Assistant Superintendent's Residence	2,260.50	
Assembly Hall and Dining Room	8,500.00	
Infirmary and New Administration Building	260,550.10	
Open Air Cottage No. 1	3,700.00	
Flanagan Cottage	6,731.84	
Servants' Quarters	6,253.65	
Snow Hill Cottage	1,750.00	
Physician's Residence	3,500.00	
Sunshine Cottage	3,500.00	
Farm Residence	3,804.03	
Dairy Buildings	26,205.08	
Total	\$ 410,508.68	
Power, Heat, Water and Light.....	\$ 61,219.64	
Telephone System	3,440.37	
Sewer System and Disposal Plant	11,433.15	
Total	76,093.16	
Total Fixed Properties	\$ 541,351.84	

INVENTORIES NOVEMBER 30, 1921

Farm Supplies	\$ 878.75	
Farm Machinery and Equipment	2,902.65	
Farm Live Stock	900.00	
Total Farm	\$ 4,681.40	
Dairy Supplies	\$ 7,129.15	
Dairy Live Stock	13,763.36	
Total Dairy	20,892.51	
Hogs	2,889.40	
Furniture and Fixtures Hospital.....	\$ 14,830.45	
Furniture and Fixtures Dining Hall and Kitchen	2,993.00	
Furniture and Fixtures Supt. Residence	1,535.74	
Furniture and Fixtures Nurses' Home	1,050.00	
Total	20,409.19	
Linen and Bedding	\$ 2,917.50	
Crockery and Silver	303.75	
Drugs and Medicine	2,449.50	
Hospital Supplies and Equipment	7,231.40	
Provisions	3,162.60	
Training School Books	198.16	
Power, Heat, Water and Light	2,227.00	
Stereopticon Outfit	131.00	
Library	135.00	
Office Supplies, Business	150.00	
Office Equipment, Business.....	392.00	
Office Supplies, Extension	727.30	
Office Equipment, Extension	4,216.50	
Laboratory and Med. Office Equipment	7,328.41	
Transportation and Drayage	2,500.00	
Total	34,070.12	
Total Inventories	\$ 82,942.62	

RECONCILIATION OF BANK BALANCES

December 1st, 1920, to November 30th, 1921

BANK OF HOKE, RAEFORD, N. C.

Balance in bank as shown on Pass Book,		
December 1, 1920	\$ 2,265.70	
Deposited during period	76,640.37	
	<hr/>	
Total		\$ 78,906.07
Vouchers outstanding December 1, 1920.....	2,551.27	
Vouchers drawn during period	67,775.58	
	<hr/>	
Total	\$	70,326.85
		<hr/>
Balance December 1, 1921.....	\$	8,579.22

BANK RECONCILIATION

Balance in bank as per Pass Book,		
December 1, 1921	\$ 9,176.58	
Outstanding vouchers December 1, 1921	597.36	
	<hr/>	
Balance	\$	<u>8,579.22</u>

OUTSTANDING CHECKS

No. 2,139	\$ 7.60
" 179	3.63
" 692	2.77
" 306	7.45
" 746	17.00
" 1,120	558.91
	<hr/>
Total	<u>\$597.36</u>

RECONCILIATION OF BANK BALANCES

December 1st, 1920, to November 30th, 1921

PAGE TRUST COMPANY, ABERDEEN, N. C.

Balance in bank December 1, 1920	\$ 16,375.14	
Deposited by State Treasurer	234,821.15	
	<hr/>	
Total		\$251,196.29
Outstanding vouchers December 1, 1920.....	\$ 11,917.41	
Vouchers drawn during period	215,642.32	
	<hr/>	
Total		227,559.73
		<hr/>
Balance December 1, 1921.....	\$	23,636.56

BANK RECONCILIATION

Balance December 1, 1921.....	\$ 45,392.69	
Less outstanding vouchers.....	21,756.13	
	<hr/>	
Balance	\$	<u>23,636.56</u>
Total amount outstanding checks.....	\$21,756.13	

TRIAL BALANCE DECEMBER 1, 1921

	Dr.	Cr.
Surplus		\$562,497.42
Real Estate:		
Hospital Grounds	\$ 20,000.00	
Administration Building	6,100.00	
Negro Sanatorium	5,553.48	
Nurses' Home	10,200.00	
Superintendent's Residence	7,150.00	
Assistant Superintendent's Residence	2,260.50	
Assembly and Dining Halls and Kitchen	8,500.00	
New Well	7,922.17	
Infirmary	260,550.10	
Open Air Cottage No. 1	3,700.00	
Open Air Cottage No. 2	6,731.84	
New Power Plant	557.44	
Servants' Quarters	6,253.65	
Snow Hill Cottage	1,750.00	
Physicians' Residence	3,500.00	
Repairs to Old Buildings	13,752.71	
Farm Supplies and Expense	878.75	
Farms	34,750.00	
Farm Machinery and Equipment	2,902.65	
Farm Live Stock	900.00	
Farm Residence	3,804.03	
Dairy Supplies and Expense	7,129.15	
Barns, Silo, Bottling Plant and Equipment	26,205.08	
Dairy Live Stock	13,763.36	
Hog Account	2,889.40	
Furniture and Fixtures:		
Hospital	14,830.45	
Dining Hall and Kitchen	2,993.00	
Superintendent's Residence	1,535.74	
Nurses' Home	1,050.00	
Linen and Bedding	2,917.50	
Crockery and Silver	303.75	
Drugs and Medicine	2,449.50	
Hospital Supplies and Equipment	7,231.40	
Provisions	3,162.60	
Training School Books	198.16	
Power, Heat, Light, etc.	53,297.47	
Telephone System	3,440.37	
Stereopticon Outfit	131.00	
Library	135.00	
Office Supplies, Business	150.00	
Office Equipment, Business	392.00	
Office Supplies, Extension	727.30	
Office Equipment, Extension	4,216.50	
Laboratory and Medicine, Office Equipment	7,328.41	
Transportation and Drayage	2,500.00	
Sewer System and Disposal Plant	11,433.15	
Reserve for Depreciation		19,286.38
Landscape	939.10	
Permanent Improvement		7,247.75
Extension		197.50
Cash	1,583.02	
Bank of Hoke	8,579.32	
Totals	<u>\$589,229.05</u>	<u>\$589,229.05</u>

ANNUAL REPORT
OF THE
NORTH CAROLINA TUBERCULOSIS ASSOCIATION
1921

REPORT OF MANAGING DIRECTOR

This has been the outstanding year in the history of our Association. The most important feature was the medico-sociologic meeting at Greensboro, October 6th and 7th, 1921—a largely attended and enthusiastic meeting. Every session was good and *very* good, but the luncheon, pay-as-you-go, in the Y. W. C. A. Hut, given by the ladies of the local association known as the District Nurse and Relief Committee, really reached the high light of the meeting, the central theme being the Guilford County Sanatorium.

Another feature that should be specifically mentioned was the attendance of the National Tuberculosis Association officials; the President, Dr. James Alexander Miller; the Managing Director, Dr. Charles J. Hatfield; and the Administrative Secretary, Mr. Frederick D. Hopkins. They delivered a number of addresses that were well received and their very presence added inspiration and enthusiasm, while it served also the purpose of getting acquainted with them and their getting acquainted with us.

Largest Seal Sale in History of Association.—This meeting, too, we believe, helped us to give to those present, who were interested, a close-up view of the Seal Sale, which was evidenced by the largest sale in December, 1921, of any year.

Bonds and Taxes Voted for Two County Sanatoria.—Another outstanding thing of the year was the voting of \$100,000 in bonds and tax of five cents on the \$100 in Guilford County, December 20th, 1921. There is no doubt that the meeting, and the luncheon particularly, was the match that lighted the fuse and started a movement for a bond election in the near future. Following this on February 9th, 1922, a bond election for \$150,000 and maintenance tax of eight cents on the \$100 of assessed property was voted in Gaston County. The interest in this last tuberculosis hospital dates, so far as we know, to the first tuberculosis clinic in Gaston County, held by our Clinic Physician, Dr. J. L. Spruill. This was followed by visits by your Managing Director; also Dr. P. P. McCain. As an evidence of the interest of the cotton mills in this proposition, we might relate the following incident as worthy of mention: At a mass-meeting in Gastonia, called to discuss the advisability and probability of a county tuberculosis hospital, attended by your Managing Director and Clinic Physician, the matter of financing the proposition was under discussion, and your Managing Director recommended a bond issue and maintenance tax. Colonel Armstrong, dean of the cotton mill presidents,

unhappily now deceased, arose and stated that he would speak for the cotton mills of Gaston County and say they favored the proposition, and it mattered not whether the funds were received by taxation or voluntary contributions, the cotton mills would pay 75% of the cost in either event.

Passes for Dr. Spruill.—We have endeavored to secure passes on all the railroads for our Clinic Physician, but so far only the Seaboard and C. C. & O. have responded. This is very valuable and is duly appreciated.

The Mail Sale.—We sent out 35,000 letters containing one hundred seals and kindly requested that the recipient return to us in the enclosed stamped envelope one dollar or the one hundred seals. These seals for the very large part went into rural territory where seals had never been sold before, which probably accounts for the fact that only one letter out of six and a half brought the dollar. We sent letters to two hundred fourth-class postmasters in small towns where we could not secure a chairman or an adequate list for mail sale purposes. The post masters were requested to sell the seals and remit the money. We received approximately \$300 in this way.

Durham.—The Civic League at Durham has been seals agent heretofore, and Mrs. T. D. Jones of Durham is a member of our Board of Directors. We were unable to get this Civic League to secure a chairman. Your Managing Director visited Durham, returning from a meeting of the Second District Medical Society at Greenville. I was making my way from Raleigh to Durham when the motor bus stripped its gear and left us high but not dry, as the rain was descending in torrents. On this account I was late for my engagement and the ladies had gone out to tea, et cetera. I had an engagement with the State Board of Medical Examiners in Greensboro that night and could not wait longer than train time for a conference. I saw Dr. A. Cheatham, City and County Health Officer; the Superintendent of Schools; County Welfare Officer, and others. On my return to Sanatorium we mail-saled the City of Durham, using the telephone directory for names and addresses, and sent out about 2,500 letters with one hundred seals in each, which brought us in \$774.00.

Motion Picture Car for Negroes.—This has continued to be of distinct value, and as per my previous report to the Executive Committee, the comparative report for the two years is as follows:

	1919	1920
Number reached in health entertainments and lectures		
by E. T. Ransom	49,262	67,687
Seals sold	\$5,132.48	\$5,253.13
Expense Moving Picture Car	5,786.98	5,474.67
Expense other work among Negroes	3,104.92	3,366.36

The negroes have sold more seals this year than any other year, the comparative statement being as follows:

1919....\$5,132.48 1920....\$5,253.13 1921....\$5,810.51

The Executive Committee felt that with the smaller amount of money in hand this year, compared with last, it would be better to wait and see the final results of the seal sale before proceeding with the movie car, and that matter will be for your determination.

Loan to Public Health Nurses.—There has been a loan fund of \$1,000 since 1920. This loan was for graduate nurses who desired to take a course in public health nursing, but on account of lack of available funds could not do so. We have made only one loan, which was to Miss Alice B. Casey, who not only agreed to repay the loan at the end of a year, but agreed to do public health nursing in this State for one year after her graduation. Miss Casey began work in Lumberton, North Carolina, later leaving there, and we have been unable to get in touch with her since. It would seem that it is hardly necessary to continue this appropriation.

Finances.—While this has been the largest Seal Sale in the history of the Association, giving us some \$6,000 more than in 1920, yet we had at that time an outstanding loan to the North Carolina Sanatorium of \$8,745, which was repaid during the year. This sum added to the total receipts of the Executive office gave us in round numbers \$24,000 for work during the past year. This year we have no bills receivable, and the total receipts of the Executive office will be only slightly in excess of \$17,000, which means that we have \$7,000 less to spend this year than last. Our budget will have to be arranged accordingly. The following items of expense are necessary if the Seal Sale is to be conducted in 1922 (the amount allowed for campaign expense is the irreducible minimum that will have to be spent before receipts for 1922 begin coming in):

Campaign expenses	\$5,000.00
Modern Health Crusade	1,000.00
Salary Managing Director	1,200.00
Miscellaneous expenses, stamps, express, stationery, etc...	800.00
which gives a total of	\$8,500.00
and leaves the same amount to be used as authorized by the Board of Directors, as far as funds permit, for the following purposes:	
Bulletin	\$1,000.00
Clinic Physician	4,200.00
Moving picture service	3,000.00
Salary 1 month for supervisors	2,750.00
Research work	1,000.00
Total	\$11,950.00

The expenses for the services mentioned are figured at the minimum and it is only under the most favorable conditions that they will

be as low. It is therefore apparent that we lack at least \$3,450 to continue the work the Association has been doing.

The \$1,000 suggested for publication of Bulletin is, we consider, very important. For three years the State Board of Health has given the Association and the Bureau of Tuberculosis either the November or December official Health Bulletin as an exclusively tuberculosis Bulletin. Each year we have increased the Bulletin by sixteen pages, making a thirty-two page Bulletin, the State Board of Health paying for sixteen pages and the Association paying for sixteen. As the Bulletin goes into over 50,000 homes, and we understand is generally read, we consider it one of the best investments that we can make, especially so as the Bulletin reaches the people just before the Tuberculosis Christmas Seals are placed on sale.

The importance of using at least \$4,200 for clinic work is apparent. The scope of work should be enlarged and we believe the psychological time is now, if we are to reap the full benefit of the last two years work.

The \$3,000 will probably operate the picture truck this year. Unless we give this service to the colored people we can hardly expect their support in the Seal Sale next year, which will mean a loss in revenue of over \$5,000. By using \$2,750 to pay part salary for one month to thirty-eight supervising teachers of rural colored schools, we secure approximately one-sixth of their time. They conduct the Seal Sale among the colored people; organize the Modern Health Crusade; make arrangements for the moving picture shows; give talks and illustrated lectures on tuberculosis, and assist in teaching the known cases how to prevent the infection of others.

A discussion covering the research work will be welcome.

Community Chests.—It is possible that the community chest will interfere with the Seal Sale unless the committee in charge of said chests, and the community, can be made to understand the State and nation-wide scope of tuberculosis work supported by the sale of seals. It did hurt the sale in Asheville last year, psychologically, because the people felt that they had absolved themselves from all things of the kind for the year and because the people, and possibly members of the committee, did not understand that the Seal Sale was not included in the chest, although Dr. Dunn and your Managing Director had both interviewed the chairman of the committee and had been assured that the Seal Sale would be taken care of, and we are quite sure that he thought he had done so. Greensboro has since adopted the community chest idea and Wilmington has it under consideration at this time.

Respectfully submitted,

L. B. McBRAYER,
Managing Director.

March 27th, 1922

REPORT OF AUDIT

NORTH CAROLINA TUBERCULOSIS ASSOCIATION,
Sanatorium, North Carolina.

GENTLEMEN :

I hereby certify that I have examined the books and accounts, including receipts, disbursements and bank balances of the North Carolina Tuberculosis Association as kept by its Managing Director and its Treasurer, Dr. L. B. McBrayer, for a period beginning April 1st, 1920, and ending March 18th, 1922, and I find same to be correct in every detail, and the bank balances at the Page Trust Company agree with the bank balances as shown on the books of the Association.

Respectfully submitted,

J. J. BERNARD,
Certified Public Accountant.

NORTH CAROLINA TUBERCULOSIS ASSOCIATION REPORT OF 1921 SEAL SALE

Total value of seals sold.....	\$ 40,572.73		
Total value of bonds sold.....	2,080.00		
Total value all paper sold.....		\$ 42,652.73	
Sold by local chairmen.....	30,284.68		
Sold by colored chairmen.....	5,810.51		
Sold by mail sale.....	6,557.54		
		\$ 42,652.73	
Total value of seals sold.....		\$ 42,652.73	
Kept by local chairmen.....		\$ 20,494.08	
		\$ 22,158.65	
Kept by local chairmen	\$ 20,494.08		
Receipts Ex. Office, white chairmen.....	\$ 9,790.60		
Receipts Ex. Office, colored chairmen.....	5,810.51		
Receipts Ex. Office, mail sale.....	6,557.54	\$ 22,158.65	
Receipts Executive Office		\$ 22,158.65	
Expenses:			
Salaries and wages.....	\$ 1,661.75		
Stationery, literature, seal supplies.....	2,979.04		
Postage	2,227.51		
All other expense.....	75.00		
		\$ 6,943.30	
5% due National Association.....	2,132.69	9,075.99	
Net Receipts Executive Office.....		\$ 13,082.66	
Receipts 1913.....	\$ 5,253.07	Receipts Ex. Office \$ 1,613.22	Exp. \$ 696.84
" 1914.....	6,745.22	" " " 2,160.05	" 1,235.72
" 1915.....	8,033.86	" " " 2,636.01	" 1,590.43
" 1916.....	12,078.74	" " " 4,786.33	" 2,750.56
" 1917.....	17,541.02	" " " 8,036.43	" 3,311.87
" 1919.....	42,407.18	" " " 23,408.53	" 8,528.18
" 1920.....	36,728.38	" " " 18,062.81	" 7,774.04
" 1921.....	42,652.73	" " " 22,158.65	" 9,075.99

**FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDING
FEBRUARY 19, 1922**

RECEIPTS

Balance on hand as per report submitted at Annual Meeting February 28, 1921.....	\$ 4,380.27
Received from sale of Crusade supplies.....	627.57
Receipts colored chairmen.....	5,810.51
Receipts white chairmen.....	9,790.60
Receipts mail sale.....	6,557.54
Commission from sale of scales.....	3.00
Transferred from savings account.....	13,000.00
Interest on above.....	279.89
Donations U. D. C., Leaksville.....	5.00
Loans repaid by North Carolina Sanatorium.....	8,745.00
Total receipts.....	\$ 49,199.38

DISBURSEMENTS

Publicity Director.....	\$ 375.00
Publication of bulletins.....	1,123.52
Campaign expenditures.....	6,943.30
Clinic Physician.....	4,102.23
X-Ray equipment.....	650.00
Negro moving picture service.....	3,198.17
Negro health work.....	3,394.06
Expense Executive Committee Meeting.....	341.99
Research work.....	11.50
Modern Health Crusade.....	1,597.47
Salary Managing Director.....	1,200.00
Transferred to savings account.....	18,000.00
Miscellaneous expenses.....	6,265.23
	<u>47,202.47</u>
Balance at Merchants and Farmers Bank, March 10, 1922..	<u>\$ 1,996.91</u>

ASSETS

March 10 Balance checking account.....	\$ 1,996.91
Balance savings account.....	15,000.00
Due from sale of Crusade supplies.....	628.00
Total cash assets.....	\$ 17,624.91

INVENTORY

1 Dodge Truck.....	\$ 100.00
1 Dodge Truck.....	500.00
1 Delco.....	150.00
1 moving picture machine.....	75.00
12 sets lanterns and slides.....	360.00
2 stacks filing cabinets.....	90.00
Crusade supplies.....	500.00

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